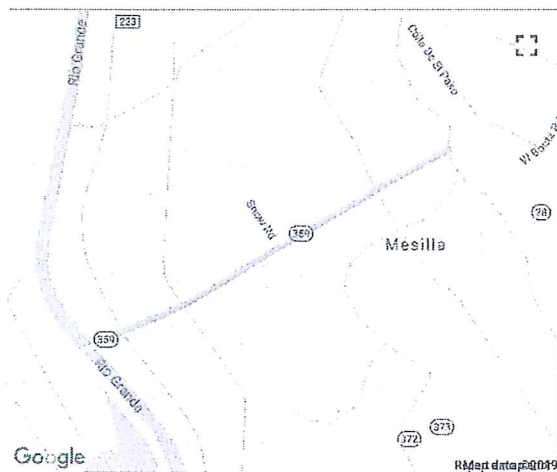


## ALL Transportation Improvement Program, 18-21.1 Amendment 2018-2022

NMDOT ID	LC00320	MPO/TIP	MVM 18-21.1	Local ID	10
Lead Agency	Town of Mesilla	Contact	Judith Gallardo (575) 323-4242	NMDOT	District District 1
Project Type	Bicycle and Pedestrian (28)	Air Quality		TCM	
Project Name	La Llorona Trail Extension				
Project Limits	NM 359 from River Levee Road to Paisano				
Description	DESIGN AND CONSTRUCTION OF MULTI-USE PATH				

Phase	Fund Source	Prior	FY2018	FY2019	FY2020	FY2021	FY2022	Future
PE	LOCAL GENERAL FUNDS	-	\$7,613	-	-	-	-	-
PE	TRANSP ALT SMALL URBAN	-	\$44,673	-	-	-	-	-
	<i>Total Preliminary Engineering</i>	-	\$52,286	-	-	-	-	-
CON	LOCAL GENERAL FUNDS	-	-	\$111,633	-	-	-	-
CON	TRANSP ALT FLEXIBLE	-	-	\$82,240	-	-	-	-
CON	TRANSP ALT SMALL URBAN	-	-	\$284,957	-	-	-	-
	<i>Total Construction</i>	-	-	\$478,830	-	-	-	-
ENG/CE	LOCAL GENERAL FUNDS	-	-	\$19,556	-	-	-	-
	<i>Total ENG/CE</i>	-	-	\$19,556	-	-	-	-
	<i>Total Programmed</i>	-	\$52,286	\$613,138	-	-	-	-
ENG/CE	TRANSP ALT FLEXIBLE	-	-	\$114,752	-	-	-	-
	<i>Total ENG/CE</i>	-	\$52,286	\$727,890	-	-	-	-



## Version History

## TIP Document

18-00	Adoption 2018-2022
18-07	Amendment 2018-2022
18-10.1	Amendment 2018-2022
18-20.1	Amendment 2018-2022
18-21.1	Amendment 2018-2022

MPO  
Approval

09/29/2017
05/08/2019
11/02/2018
08/01/2019
Pending

## Current Change Reason

SCHEDULE / FUNDING / SCOPE - Other, Update name of project

## Funding Change(s):

Total project cost stays the same \$665,424





*New Mexico* DEPARTMENT OF  
**TRANSPORTATION**  
 MOBILITY FOR EVERYONE

## T/LPA PS&E CHECKLIST

<b>Federal Project Number:</b>	TBD
<b>NMDOT Control Number</b>	LC00320
<b>Project Name:</b>	NM 359 SHARED-USE PATH
<b>Route Number, Section and Mileposts:</b>	MP 0.557 TO MP 1.832
<b>County:</b>	DONA ANA
<b>Project Description:</b>	THE INTENT OF THIS PROJECT IS TO CONSTRUCT A SHARED-USED PATH, DRIVEWAY PADS, AND PERMANENT SI
<b>Engineer's Estimate:</b>	90% EOPCC : \$492,403.52
<b>Contract ID:</b>	TBD
<b>Letting Date:</b>	TBD

PS&E Checklist review complete and ready for Authorization.

Engineer's Signature: \_\_\_\_\_

Date: Jul 22, 2019

## GENERAL REFERENCES - Regulations and Guidance

- 23 CFR 630, Subpart B – Plans, Specifications, and Estimates
- 23 CFR 633, Subpart A – Required Contract Provisions – Federal-aid Construction Contracts (Other than Appalachian Contracts)
- Construction Program Guide  
<http://www.fhwa.dot.gov/construction/cqit/>
- Guidelines on Preparing Engineer's Estimate, Bid Reviews and Evaluation  
<http://www.fhwa.dot.gov/programadmin/contracts/ta508046.cfm>
- Contract Administration Core Curriculum Manual and Reference Guide  
<http://www.fhwa.dot.gov/programadmin/contracts/coretoc.cfm>
- Development and Review of Specifications  
<http://www.fhwa.dot.gov/construction/t508016.cfm>

Also refer to the **Financial Management Checklists:**

- Local Project Administration Policies and Procedures
- Billing/Payment Process of State and Local Governments
- Indirect Costs of State and Local Governments

GENERAL FEDERAL-AID REQUIREMENTS		Yes	No	
Reference (23 CFR x)	Item			
450.216 450.220	Is this project programmed in the currently approved STIP?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
450.322 450.324	Is this project programmed in an MPO area?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	If so, is it programmed in the MTP and/or TIP?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	MTP Ref. <input type="text"/> TIP Ref. <input type="text"/>			
	Is the authorization request a conversion of a non Federal-aid funded project?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	If so, does the project meet and document compliance with all Federal-aid requirements?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	If so, does the authorization request include only those costs anticipated after authorization/obligation of funds?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
627.1	Has a Value Engineering (VE) Study been conducted? (Required for projects > \$25 Million, > \$20 Million for bridge projects)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
625.3(f)	Are any design variance/exceptions incorporated into this project?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	If so, list design variance/exception(s):			
	Date Approved:			
	Does the project involve new or revised Interstate Access?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	If so, is it programmed in the MTP and/or TIP?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Date Approved:			
635-Subpart B	Is the project being competitively bid?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
635.309(e)	Is NMDOT or local force account construction work to be utilized on this project?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	If so, has a Public Interest Finding (PIF), emergency determination, or Cost Effective Determination been approved by the NMDOT and FHWA?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Type of Approval:			
	Date Approved:			
635.407	Are any materials to be supplied by the Local Public Agency or the NMDOT?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	List Material(s):			
	If so, has a Public Interest Finding (PIF) been approved by the NMDOT and FHWA?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Date Approved:			



Reference (23 CFR x)	Item	Yes	No	N/A
635.411	Are patented or proprietary materials shown in the plans or specifications?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	List Material(s):			
	If so, has the use of the proprietary material been approved by the NMDOT and FHWA?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Date Approved:			
Federal-aid Policy Guide G 6042.4	Are experimental features utilized on this project?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	List Experimental Feature(s):			
	If so, has a Work Plan been approved by the NMDOT and FHWA?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Date Approved:			
635.413	Warranties are approved.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
620.101 620.103	Is the project located within 2 miles of an airport?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	If so, has the project been coordinated with FAA?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	If so, are air-highway clearances adequate for safe movement of traffic?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
625.2(c)	Safety improvements are commensurate with level of work proposed.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Appropriate review of the PS&E package has been completed by the NMDOT and FHWA.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Plans have been approved by the appropriate official (PE if required).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	All comments and issues from previous review reports, meeting summaries, etc. been satisfactorily addressed.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## ENVIRONMENTAL

Reference (23 CFR x)	Item	Yes	No	N/A
771	Environmental documentation for the project has been approved. (select appropriate approval)			
	- Programmatic Categorical Exclusion (PCE)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	- Categorical Exclusion	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	- Environmental Assessment (EA) / FONSI	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	- Environmental Impact Statement (EIS) / ROD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Date Approved: Mar 7, 2019			

Reference (23 CFR x)	Item	Yes	No	N/A
771.129	Is a reassessment or re-evaluation of the environmental document needed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
771.113	Required public hearing transcripts have been received and accepted.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
772.11g	Are noise walls included in the project?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Have environmental commitments been incorporated into the final design and contract documents? (select all that apply)			
	- Historic Preservation (36 CFR 800)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	- Stream/Wetland Mitigation (23 CFR 777)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	- Noise Abatement (23 CFR 772)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	- Section 4f (23 CFR 771.135)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	- Endangered Species Act (50 CFR 402.12(c))	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	- Other:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
635.407	Public interest findings are documented for mandatory waste or borrow sites.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Have all environmental permits for the project been secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Is the contractor responsible for obtaining any permits or external agency approvals for this project?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	If so, what Permit/Agency Approval(s) are required?			
<b>RIGHT-OF-WAY</b>				
Reference (23 CFR x)	Item	Yes	No	N/A
635.309	ROW certification has been approved.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	ROW/CME/TCP acquisition and relocation is complete.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	The acquired ROW is adequate to facilitate construction of the project.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	If the ROW will not be clear prior to authorization, are proper stipulations contained in the proposal?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	If so, list restrictions on the contractor:			
	If so, when is it estimated the Right-of-Way will be clear?			

UTILITIES					
Reference (23 CFR x)	Item		Yes	No	N/A
635.309	Utility certification has been approved.	Date Approved: Jul 7, 2019	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Have utility agreements for all utilities affected by this project been completed and approved?		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Have all utilities affected by this project been relocated or will be relocated prior to advertisement?		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	If all utilities have not been relocated prior to advertisement, does the proposal include a special provision stipulating utility coordination with the prime contractor for each utility?		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	If utility relocation is required, the approved NTC is included in the contract documents.		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

RAILROAD					
Reference (23 CFR x)	Item		Yes	No	N/A
635.309	Railroad certification has been approved	Date Approved: Jan 8, 2019	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
646	Does the project require use of or adjustment of railroad facilities?		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
646.107	If so, railroad insurance is provided.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
646.216(d)	If so, agreement is in writing between the NMDOT and Railroad.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
646.214(b)	If so, adequate railroad grade crossing warning devices are provided.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

ITS					
	Item		Yes	No	N/A
	ITS certification has been approved?	Date Approved: Jan 3, 2019	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

WORK ZONE				
Reference (23 CFR x)	Item	Routine	Regionally Significant	Significant
	Work Zone checklist has been completed.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Comments:  COMPLETED WITH 90% & PSE			



# GEOTECHNICAL REPORT

GEOTECHNICAL REPORT					
Item			Yes	No	N/A
Has Geotechnical Report been provided?			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>PLANS</b>					
Reference (23 CFR x)	Item		Yes	No	N/A
	Consultant design?	Name of consultant: SOUDER MILLER & ASSOCIATES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Do the contract plans contain the following:				
	Cover Sheet, Vicinity Map, Index, General Notes		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Signed Environmental Commitments		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Typical Sections		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Summary of Quantities		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Plan Sheets		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Profile Sheets		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Drainage Sheets		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Earthwork Runs		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Cross Sections		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Traffic Control Plans		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Signing and Striping Plans		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Lighting Plans		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Traffic Signal Plans		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Special Detail Sheets		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Structure/Bridge Plans		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Utility Relocation Plans		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Other:		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Does the cover sheet include all required information (project number, NMDOT control number, termini, county, route, milepost, etc)?		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
630.205	Do the contract plans describe the location and design features and the construction requirements in sufficient detail to facilitate construction and the estimation of construction costs of the project?		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



Reference (23 CFR x)	Item	Yes	No	N/A
	Does the project utilize the current version of the NMDOT Standard Drawings?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Are local standard drawings, sepi drawings, or special details incorporated into the project?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	If so, have they been reviewed and approved by NMDOT and FHWA? Date Approved:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Are the details, typical sections and profile sheets adequate to show the complexity of work?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Have all pay items been checked against the construction plans?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Have all bridge plans been reviewed by Division Bridge/Structures Engineer and comments resolved?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Are Right-of-Way, easement, and control of access lines shown on the plans?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
635.309(j)	Appropriate measures to ensure environmental conditions and commitments are met are clearly shown on the plans.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
635.309(i)	Have provisions to minimize water pollution and soil erosion been included in the plans?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
625.3 625.4	Have geometric design standards been met for:			
	Design Speed	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Lane Width	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Shoulder Width	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Structural Capacity	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Horizontal Alignment	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Vertical Alignment	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Grades	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Stopping Sight Distance	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Cross Slope	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Superelevation	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Horizontal Clearance	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Vertical Clearance	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
626	Is the pavement design adequate?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
625	Does the design conform to Federal-aid design standards for geometric and structural design of highways and/or NMDOT policy and guidance manuals?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Reference (23 CFR x)	Item	Yes	No	N/A
	Are the clear zone and safety appurtenances provided for this project in accordance with the current edition of the AASHTO Roadside Design Guide?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
655.603 635.309(n)	Are all traffic control devices provided with this project consistent with the current edition of the Manual on Uniform Traffic Control Devices (MUTCD)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Construction	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Permanent	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
630 (J)	Is a temporary traffic control plan provided and consistent with regulations on Work Zone Safety & Mobility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Has the Transportation Management Plan (TMP) been approved by NMDOT and FHWA?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Date Approved:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
630.1012	Traffic management plan is approved and included.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
652	Are appropriate accommodations provided for bicyclists and pedestrians along the project and intersecting roadways?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Are pedestrian facilities designed in accordance Americans with Disabilities Act requirements? ( <a href="http://www.access-board.gov/">http://www.access-board.gov/</a> )	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
652.7(b)	Are pedestrian and bike routes pursuant to an overall plan?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
650.117	Is the required hydraulic data shown on the plans?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Are the details sufficient to describe the required installation of drainage facilities including culverts, erosion control structures, headwalls, inlets, and manholes?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Overall plan quality is generally acceptable.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Comments:			

CONTRACT DOCUMENTS				
Reference (23 CFR x)	Item	Yes	No	N/A
	Does the project utilize the current version of the NMDOT Standard Specifications?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Are local specifications or supplemental specifications utilized on the project?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	If so, have they been reviewed and approved by the NMDOT and FHWA?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Date Approved:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>







Item	Yes	No	N/A
Enter any other project specific NTC's below:			
Used all standard NTCs as directed by NMDOT			

## MAINTENANCE AGREEMENTS

Item	Yes	No	N/A
Is Signal Agreement(s) Complete?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Is Lighting Agreement(s) Complete?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Is Flasher/Beacons Agreement(s) Complete?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Is Landscaping Agreement(s) Complete?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
List any other Agreements:			
Are they complete?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## ESTIMATES

Item	Yes	No	N/A
Does the estimate include a pay item for all work included in the plans?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are all estimated unit prices reasonable and comparable to average unit bid prices or construction industry trends?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are Federal-aid non-participating items included in this project?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
If so, non-participating items separately listed in the estimate and/or plans include items:			
Is the amount of the estimate consistent with the amount of Federal-aid funding requested for the construction phase?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Engineer's Estimate unit prices are reasonable for the areas, times, and characteristics of the work to be done.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Item	Yes	No	N/A
Haul road restoration item is provided.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Estimate includes an item number, description of the item, estimated quantity, unit, and price for each proposed item of work.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Incentive/disincentive or escalation clauses have been considered in determining the estimated unit costs.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Unit prices have been reviewed to determine if changes in estimated unit prices are needed to reflect any trends that have occurred within the past 3-6 months.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
State option borrow costs are provided.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Salvage credit is shown.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Utility and railroad force account work is covered.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Class and breakdown of funding are correct for highway classification.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments:			







## CN LC00320 Routine Work Zone Design Checklist

PDE: Judith Gallardo

(South Region Design)

Termini: MP .557 to MP 1.832

PS&E Review Date: 7/31/19

Overview			
<b>Step 1 - Identify Traffic Control Options</b>	<b>Required?</b>	<b>Completed?</b>	<b>N/A</b>
▪ General Work Zone Setup	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
▪ Project Timing	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
▪ Detour	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
▪ Roadside Safety	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>Step 2 - Identify Work Zone Impacts</b>	<b>Required?</b>	<b>Completed?</b>	<b>N/A</b>
▪ Data Collection	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
▪ Work Zone Analysis	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
▪ Mobility Impacts	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
▪ Construction Related Impacts	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Step 3 - Identify Impact Management Strategies</b>	<b>Required?</b>	<b>Completed?</b>	<b>N/A</b>
▪ Temporary Traffic Control	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
▪ Transportation Operations	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
▪ Public Information and Outreach	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Project Classification</b>			
Routine Project	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

General Consideration	Yes	No	N/A
1. Will there be other construction along the detour that might influence traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Have affected Cities, Districts, Counties, or States been notified of the proposed work zone?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Will all fronting businesses have acceptable ingress and egress?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4. Can the work zone be continued during winter (snow removal concerns)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5. Are alternate routes available to local motorists?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Should any of the following be contacted?			
a. Public school system	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b. Public transit system	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Police, fire, and ambulance services	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. Postal mail route services	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. Others	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Have the following enforcement strategies been considered?			
a. Cooperative police enforcement	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b. Drone radar	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8. Is a public information meeting required?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

General Consideration Cont.	Yes	No	N/A
9. Have innovative or accelerated construction techniques been considered?			
a. Prefabricated/precast elements	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b. Rapid cure materials	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c. Accelerated Construction Technology Transfer (ACTT) Workshop	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Project Timing	Yes	No	N/A
1. Can the contractor restrict the roadway during			
a. AM or PM rush hours?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
One direction?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Both directions?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. Overnight?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. Local celebrations?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. Holidays or weekends?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. Sporting events?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f. Other special events?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Will project timing (for example, start or end date) be restricted by			
a. School closings or openings?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. Holidays?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. Sporting events?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. Other projects in the area?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. Other?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Is there present or future roadwork in the immediate area that may affect traffic or the Contractor's operations?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Work Zone	Yes	No	N/A
1. Consider all applicable work zone types from following list			
a. Work outside of roadway	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Full roadway closure	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c. Permanent lane/shoulder/ramp closures	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d. Crossovers/contraflow	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e. Detour	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f. Intermittent road closures (i.e., 15-minutes, weekend)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
g. Reduced lane widths	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
h. Reduced shoulder widths	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
i. Lane shifts	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
j. Daily lane/shoulder closures	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
k. Use of shoulder or median	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
l. Shoo-fly	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
m. One-lane, two-way operation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Temporary Signal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Flagger	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
n. Use of positive protection devices	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
o. Reversible lane	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Work Zone Cont.	Yes	No	N/A
p. Use of temporary structures	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
q. Use of temporary pavement	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
r. Widening	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
s. Nighttime work	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
t. Weekend work	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
u. Railroad impacts	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
v. Geometric considerations	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
w. bridge restrictions and other structures	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
x. Portable Changeable Message Sign	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
y. Removal of pavement stripe	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
z. Safe entry and exit for construction equipment considered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2. Does pedestrian/bicycle traffic or ADA access need to be considered?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. What is the minimum allowable lane width? Width = 10' (existing width)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Should a reduced work zone speed limit variance required?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5. Should certain types of vehicles be prohibited from entering the work zone (over-height, weight restrictions)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6. Consideration of non-compliance by Contractor. Are Liquidated Damages established? \$/Day =	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>



